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Attorney Docket No. UMGB  
Client Matter No. 81848.0000002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:

Kim C. HARDEE

Patent No. 6,300,810

Patent Appl. No. 09/492,727

Issue Date: October 10, 2001

Title: VOLTAGE DOWN CONVERTER  
WITH SWITCHED HYSTERESIS

Examiner: J. ZWEIZIG

Art Unit 2816

Consent of Assignee

**Assistant Commissioner for Patents  
Washington, D.C. 20231**

Sir

United Microelectronics Corporation, assignee of U.S. Patent No. 6,300,810 consents to the filing of the present reissue application for the reissue of U.S. Patent No. 6,300,810.

Dated:

Jan. 30, 2003

Water Tax

#### **Research Director**

The Chairman and President Office  
United Microelectronics Corporation

J. Daterman

# BEST AVAILABLE COPY

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: United Microelectronics CorporationApplication No./Patent No.: 6,300,810 B1 Filed/Issue Date: October 9, 2001Entitled: VOLTAGE DOWN CONVERTER WITH SWITCHED HYSTERESIS

United Microelectronics Corporation, a Taiwanese corporation  
(Name of Assignee) (Type of Assignee, e.g., corp., partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title and interest; or
2.  an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Kim C. HARDEE to United Memories, Inc. & Nippon Steel Semiconductor Corp. (copy attached)
2. From: United Memories, Inc. to United Microelectronics Corp. (copy attached)
3. From: Nippon Steel Semiconductor Corp. to United Microelectronics Corp. (copy attached)

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

06/27/03  
Date

Signature

John Hsuan  
Typed or printed nameChief Executive Officer  
Title

UMC-215 REI

Attorney Docket No. UMI 215  
Client/Matter No. 80450.0019.001

## A S S I G N M E N T

WHEREAS, I, Kim C. HARDEE, having a residence address of 970 K  
Carson Lane, Colorado Springs, Colorado 80920, have made a certain new and useful  
invention relating to VOLTAGE DOWN CONVERTED WITH SWITCHED  
HYSTERESIS, for which I am making or have made application for Letters Patent of the  
United States, said application being identified by Docket No. UMI 215, Client/Matter  
No. 80450.0019.001, in the law firm of Hogan & Hartson, One Tabor Center, 1200  
Seventeenth Street, Suite 1500, Denver, Colorado, 80202, which is being executed  
concurrently herewith; and

WHEREAS, I now own the entire right, title and interest therein; and

WHEREAS, United Memories, Inc., a Colorado corporation, whose post  
office address is 4815 List Drive, Suite 109, Colorado Springs, CO 80919, and Nippon  
Steel Semiconductor Corporation, a Japanese corporation whose post office address is  
Tateyama Plant, 1580 Yamamoto, Tateyama-shi, Chiba 294, Japan, hereinafter  
collectively known as ASSIGNEES, are desirous of acquiring the entire interest in and  
to said invention, said application, and the Letters Patent to be obtained therefor;

NOW THEREFORE, upon consideration of my employment and other  
good and valuable consideration, the adequacy of which is hereby acknowledged, I do  
hereby sell and assign unto ASSIGNEES, and said ASSIGNEES' legal representatives,  
successors, and assigns, the entire right, title, and interest in and to said invention, said  
application, all applications claiming priority therefrom, and the Letters Patent, both of  
the United States and of other countries, and inventor's certificates, that may or shall  
issue thereon; and I do hereby authorize and request the Commissioner of Patents and  
Trademarks to issue said Letters Patent to ASSIGNEES, consistent with the terms of  
this Assignment.

UPON SAID CONSIDERATION, I do hereby covenant and agree with  
ASSIGNEES that I will not execute any writing or do any act whatsoever conflicting with

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this assignment, and that I will, at any time upon request, without further or additional consideration, but at the expense of ASSIGNEES, execute such additional assignments and other writings and do such additional acts as ASSIGNEES may deem necessary or desirable to perfect the ASSIGNEES' enjoyment of this grant, and render all necessary assistance in applying for and obtaining original, continuation, continuation-in-part, divisional, reexamined, renewal, reissued or extended Letters Patent of the United States, or of other countries, or inventor's certificates, on said invention, and in enforcing any rights or causes in action accruing as a result of such applications, certificates, or patents, by giving testimony in any proceedings or transactions involving such applications, certificates, or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal on the date hereinafter set forth.

Date: Jan. 26, 2000

Kim C. Hardee  
Kim C. HARDEE

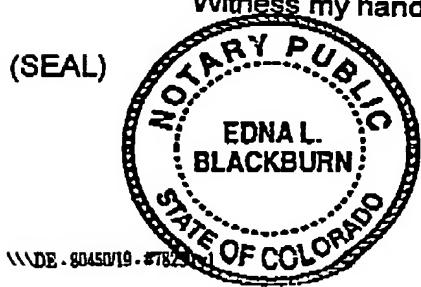
STATE OF COLORADO )  
COUNTY OF EL PASO ) ss.  
)

On this 26<sup>th</sup> day of January, 2000, before me, a notary public in and for said county, appeared, Kim C. HARDEE who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, sealed, and delivered the same instrument as a free and voluntary act for the uses and purposes therein set forth.

My commission expires May 17, 2001

Witness my hand and official seal.

(SEAL)



Edna L. Blackburn  
Notary Public

# Patent Assignment Abstract of Title

Assignments: 2

Cation #: 09492727 Filing Dt: 01/27/2000

PCT #: NONE

Inventor: Kim C. Hardee

Patent #: 6300810 Issue Dt: ~~11/20/2001~~

Publication #: NONE

Pub Dt:

Title: Voltage down converted with switched hysteresis

Assignment: 1

Reel/Frame: 010538/0023 Received: 02/14/2000

Recorded: 01/27/2000

Mailed: 04/19/2000

Pages:

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: HARDEE, KIM C.

Exec Dt: 01/26/2000

Assignee: UNITED MEMORIES, INC.4815 LIST DRIVE, SUITE 109  
COLORADO SPRINGS, COLORADO 80919

Correspondent: HOGAN &amp; HARTSON LLP

CAROL W. BURTON, ESQ.  
1200 17TH STREET, SUITE 1500  
DENVER, CO 80202

Assignment: 2

Reel/Frame: 011652/0748 Received: 04/02/2001

Recorded: 04/02/2001

Mailed: 06/13/2001

Pages:

4

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: HARDEE, KIM C.

Exec Dt: 01/26/2000

Assignee: NIPPON STEEL SEMICONDUCTOR CORPORATION1580 YAMAMOTO, TATEYAMA-SHI  
TATEYAMA PLANT  
CHIBA 294, JAPAN

Correspondent: HOGAN &amp; HARTSON LLP

CAROL W. BURTON, ESQ.  
1200 17TH STREET, SUITE 1500  
DENVER, CO 80202

Search Results as of: 6/6/2003 4:02:14 P.M.

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If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 703-308-8723  
Web Interface last modified: Oct 5, 2002

FORM PTO-1595  
 Rev. 10/02  
 IMB No. 0651-0027 (exp. 6/30/2005)

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

U.S. Department of Commerce  
 Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**UNITED MEMORIES INC.**

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other	

Execution Date: March 3, 1999

Name and address of receiving party(ies)

Name  
**UNITED MICROELECTRONICS CORPORATION**  
**No. 3 Hsin Road 2**  
**Science Based Industrial Park**  
**Hsin Chu City, TAIWAN**

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

<b>6,300,810</b>	<b>6,306,744</b>
<b>5,900,021</b>	<b>6,285,242</b>
<b>6,037,827</b>	<b>6,272,029</b>
<b>5,917,230</b>	<b>6,285,216</b>

Additional numbers attached?  Yes  No

5. Name and Address of party to whom correspondence concerning document should be mailed:

Name: Carol W. Burton  
 Internal Address: Hogan & Hartson LLP  
One Tabor Center  
1200 17th Street, Suite 1500  
 Street Address: same as above  
 City: Denver State: CO Zip: 80202

6. Total number of applications and patents involved: 8

7. Total fee (37 CFR 3.41) \$ 320.00

Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:

50-1123

(Attach duplicate copy of this page if paying by deposit account)

**DO NOT USE THIS SPACE**

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Carol W. Burton  
 Name of Person signing

Signature

June 17, 2003

Date

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents & Trademarks, Box Assignments  
 Washington, D.C. 20231

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, *United Memories Inc.*, having a principal place of business at 4815 List Drive, Suite 109, Colorado Springs, CO 80919 ("Assignor"), hereby assigns, transfers, and conveys to *United Microelectronics Corporation* ("UMC"), having a principal place of business at No. 3 Li Hsin Road 2, Science Based Industrial Park, Hsin Chu City, Taiwan ("Assignee"), its designees, successors, assigns, and legal representatives, the entire right, title, and interest in and to the patents and applications listed in Exhibit A, attached hereto and made a part hereof, and any reexaminations, extensions, reissues, continuations and divisions thereof, and all proceeds from any of the foregoing (including all license royalties and proceeds of infringement suits), and any and all causes of actions (excepting claims against the United States of America) for past, present, and future infringement of any of the foregoing, including the right to collect royalties or damages for any such infringement and the right to sue on any such causes of action, for their own use and benefit and the use and benefit of their successors, assigns, and legal representatives, each and every of the foregoing rights, titles, and interests herein assigned to be held and enjoyed by Assignee, its successors, assigns, and legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignors had this Assignment not been made.

IN TESTIMONY WHEREOF, Assignors have caused this Assignment to be duly executed in their names and behalf by affixing their hands and seals thereto by their designated officer, director, or agent, whose name and title appear below.

Executed at Colorado Springs, Colorado, and effective March 3, 1999.

United Memories, Inc.

Robert L. Gower  
Signature

Name: Robert L. Gower  
Title: President